

**What is claimed is:**

1. An electronic device comprising:
  - a liquid crystal display;
  - a motherboard including a heat dissipation module;
  - a converter board, connected to the heat dissipation module and coupled to the motherboard and the liquid crystal display respectively, for converting a first signal from the motherboard to a second signal suitable for use by the liquid crystal display;
  - a fixing member connecting the converter board and the heat dissipation module so that the converter board is fixed on the heat dissipation module; and
  - a cushion member disposed between the converter board and the heat dissipation module.
2. The electronic device as claimed in claim 1, further comprising:
  - a first connector disposed on the motherboard; and
  - a second connector, corresponding to the first connector, disposed on the converter board, wherein the first signal is transmitted to the converter board by the first connector connected to the second connector.
3. The electronic device as claimed in claim 2, wherein both the first connector and the second connector are LVDS type.

1           4.    The electronic device as claimed in claim 3,  
2           wherein the converter board is LVDS type.

1           5.    The electronic device as claimed in claim 2,  
2           wherein both the first connector and the second connector  
3           are TMDS type.

1           6.    The electronic device as claimed in claim 5,  
2           wherein the converter board is TMDS type.

1           7.    The electronic device as claimed in claim 1,  
2           further comprising:

3           a third connector disposed on the liquid crystal  
4           display; and

5           a fourth connector, corresponding to the third  
6           connector, disposed on the converter board,  
7           wherein the second signal is transmitted to the  
8           liquid crystal display by the third connector  
9           connecting to the fourth connector.

1           8.    The electronic device as claimed in claim 7,  
2           wherein both the third connector and the fourth connector  
3           are LVDS type.

1           9.    The electronic device as claimed in claim 8,  
2           wherein the converter board is LVDS type.

1           10.   The electronic device as claimed in claim 7,  
2           wherein both the third connector and the fourth connector  
3           are TMDS type.

1           11.   The electronic device as claimed in claim 10,  
2           wherein the converter board is TMDS type.

1           12. The electronic device as claimed in claim 7,  
2 further comprising:

3           a cable connecting the third connector and the  
4           liquid crystal display.

1           13. The electronic device as claimed in claim 1,  
2 wherein the motherboard is a Mini-ITX type.

1           14. The electronic device as claimed in claim 1,  
2 wherein the fixing member is a screw.

1           15. The electronic device as claimed in claim 14,  
2 wherein the converter board includes a first through  
3 hole, and the heat dissipation module includes a screw  
4 hole corresponding to the first through hole, and the  
5 converter board is fixed on the heat dissipation module  
6 by threading the screw into the screw hole via the first  
7 through hole.

1           16. The electronic device as claimed in claim 1,  
2 wherein the cushion member is a pad.

1           17. The electronic device as claimed in claim 1,  
2 wherein the cushion member includes a second through hole  
3 through which the fixing member passes.

1           18. The electronic device as claimed in claim 1,  
2 wherein the cushion member is made of a heat-isolation  
3 material.

1           19. The electronic device as claimed in claim 18,  
2 wherein the cushion member is made of plastic.

1           20. The electronic device as claimed in claim 1,  
2           wherein the liquid crystal display is a liquid crystal  
3           display module.

1           21. A conversion module for a liquid crystal  
2           display and a motherboard, wherein the motherboard  
3           includes a heat dissipation module, and the conversion  
4           module comprises:

5           a converter board, connected to the heat dissipation  
6           module, for converting a first signal from the  
7           motherboard to a second signal suitable for use  
8           by the liquid crystal display;

9           a fixing member connecting the converter board and  
10          the heat dissipation module so that the  
11          converter board is fixed on the heat  
12          dissipation module;

13          a cushion member disposed between the converter  
14          board and the heat dissipation module;

15          a first connector disposed on the converter board  
16          and coupled to the motherboard; and

17          a second connector disposed on the converter board  
18          and coupled to the liquid crystal display,  
19          wherein the first signal is transmitted to the  
20          converter board and the second signal is  
21          transmitted to the liquid crystal display by  
22          the first connector and the second connector.

1           22. The conversion module as claimed in claim 21,  
2           wherein the first connector and the second connector are  
3           located at opposite sides of the converter board.

1           23. The conversion module as claimed in claim 21,  
2 wherein both the first connector and the second connector  
3 are LVDS type.

1           24. The conversion module as claimed in claim 21,  
2 wherein the converter board is LVDS type.

1           25. The conversion module as claimed in claim 21,  
2 wherein both the first connector and the second connector  
3 are TMDS type.

1           26. The conversion module as claimed in claim 25,  
2 wherein the converter board is TMDS type.

1           27. The conversion module as claimed in claim 21,  
2 further comprising:

3           a cable connecting the second connector and the  
4           liquid crystal display.

1           28. The conversion module as claimed in claim 21,  
2 wherein the fixing member is a screw.

1           29. The conversion module as claimed in claim 28,  
2 wherein the converter board includes a first through  
3 hole, and the heat dissipation module includes a screw  
4 hole corresponding to the first through hole, and the  
5 converter board is fixed on the heat dissipation module  
6 by threading the screw into the screw hole via the first  
7 through hole.

1           30. The conversion module as claimed in claim 21,  
2 wherein the cushion member is a pad.

1           31. The conversion module as claimed in claim 21,  
2 wherein the cushion member includes a second through hole  
3 through which the fixing member passes.

1           32. The conversion module as claimed in claim 21,  
2 wherein the cushion member is made of a heat-isolation  
3 material.

1           33. The conversion module as claimed in claim 32,  
2 wherein the cushion member is made of plastic.